



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: NV4281

Title: Evaluation of Ecosystem Metabolism at Selected Sites in the Lower Truckee River Basin

Focus Categories: Ecology, Nutrients

Keywords: metabolism, ecosystem, TMDL's, dissolved oxygen

Start Date: 03/01/2001

End Date: 02/28/2002

Federal Funds: \$19,836

Non-Federal Matching Funds: \$39,833

Congressional District: Nevada 02

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Abstract

Open system metabolism (also known as community, or ecosystem metabolism) studies will be performed at multiple sites within the lower Truckee River Basin. Changes in dissolved oxygen at the upper and lower boundaries of selected river reaches will be compared and integrated with data obtained from ongoing biomass and water quality monitoring programs. The by-product of the proposed study will be critical system-specific data for algal growth and productivity in a periphyton-dominated system for eventual inclusion in a water quality model.